SHORT COURSE T5
on
SURGE AND SURGE CONTROL SYSTEMS

Klaus Brun manages the Machinery Section at Southwest Research Institute. His experience includes positions in engineering, project management, and management at Solar Turbines, General Electric, and Alstom. He holds two patents (4 patents pending), authored over 80 papers, and published a textbook on gas turbines. He is a member of the ASME-IGTI Board of Directors and the past Chairman of the ASME Oil & Gas Applications Committee. He is also a member of the API 616 and 691 Task Forces, the Gas Turbine Users Symposium Advisory Committee, the Fan Conference Advisory Committee, and the Latin American Turbomachinery Conference Advisory Committee. Dr. Brun is the Editor of Global Gas Turbine News, Executive Correspondent of Turbomachinery International Magazine, and an Associate Editor of the ASME Journal of Gas Turbines for Power.

Kenneth DeVito is a senior engineer at Dresser-Rand Company. He joined Dresser-Rand in 1979, and since 1987 has been responsible for application and design engineering of auxiliary and process systems for turbocompressor based projects. For the past 10 years, Ken has also acted as field project manager for several extended scope construction and installation projects, and for programs in the R&D portfolio. He is currently working out of Dresser-Rand's commercial headquarters and regional office in Houston Texas.

J. Jeffrey Moore, Ph.D., is a Principal Engineer at Southwest Research Institute, in San Antonio, Texas. His professional experience over the last 15 years includes engineering and management responsibilities at Solar Turbines, Inc., Dresser-Rand, and Southwest Research Institute. His interests include rotordynamics, seals and bearings, finite element analysis, controls, and aerodynamics. He has authored more than 10 technical papers in the area of rotordynamics and aerodynamics and has given numerous tutorials and lectures.

Dr. Moore received his B.S., M.S., and Ph.D. degrees (Mechanical Engineering, 1991, 1993, 1999) from Texas A&M University.

Marybeth Nored is the group leader for the Fluid Machinery Systems Group at Southwest Research Institute which investigates machinery related fluid dynamics in piping systems, surge modeling and control, pulsating flows and detailed aero / thermal studies for turbomachinery design. Ms. Nored is experienced in reciprocating and screw compressor pulsation analysis, thermodynamic power cycles, gas property determination, machinery performance, and natural gas flow measurement. She received her first ASME Oil and Gas Committee Best Paper Award at the ASME Turbo Expo 2010 conference. She has co-authored multiple industry guidelines referenced by API standards groups including API 617, API 618, and API 670 and has over 20 published conference papers, journal publications and technical articles. Ms. Nored is the chair of the ASME South Texas section.

Robert C. White is a Principal Engineer for Solar Turbines, Inc. in San Diego, California. He is responsible for compressor and gas turbine performance predictions and application studies. In his former position he lead the development of advanced surge avoidance and compressor controls at Solar Turbines. Mr. White holds 12 U.S. patents for turbomachinery related developments. He has contributed to several papers, tutorials, and publications in the field of Turbomachinery.